



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200
Fax 613 632-5246

**RBW6522A00231-W142AJ-
3T-5B**

Job Sheet 199142



Part No: RBW6522A00231-W142AJ-3T-5B **Job Qty:** 2 pcs

Part Name: Cover



Part Weight: 0 lbs

Status: New

Priority: Medium

Job Created: 8/13/19

Job Tracking No:

Created By: Marie Lajeunesse

Due Date: 10/7/19

Description:

Type: SOLD

Note: DWG RBW6522A00231-W142AJ-3T Rev 5 IPP Rev A 18.02.12 New issue DP Verify DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup Hrs	Run Hrs	Workcenter / Supplier	Lead Time	
120	Conventional Lathe - 1	2 pcs	10/7/19		0.50	0.17	Conventional Lathe - 1		
							Conventional Lathe - 2		
130	QC 2	2 pcs	10/7/19		0.00	0.00	QC 2 - 1		
							QC 2 - 12		
							QC 2 - 14		
							QC 2 - 17		
							QC 2 - 19		
							QC 2 - 2		
							QC 2 - 20		
							QC 2 - 22		
							QC 2 - 23		
							QC 2 - 25		
							QC 2 - 32		
							QC 2 - 33		
							QC 2 - 35		
							QC 2 - 39		
							QC 2 - 4		
							QC 2 - 40		
							QC 2 - 44		
							QC 2 - 45		
							QC 2 - 48		
							QC 2 - 49		
							QC 2 - 50		
							QC 2 - 51		
							QC 2 - 52		
							QC 2 - 57		
							QC 2 - 62		
							QC 2 - 63		
							QC 2 - 8		
							QC 2 - 66		
							QC 2 - 64		



DART Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
CANADA
TEL.: 1 613 632-5200
Email: sales@dartaero.com
www.dartaerospace.com

Container No: S217595



Part: RBW6522A00231-W142AJ-3T-5B

Job No: 199142

Serial No/Batch: S217595

Revision: 5

Inspector:

Exp Date:

Instructions:

Date: 09/27/19

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140	QC 8	2 pcs	10/7/19	0.00 0.00	QC 2 - 65	
					QC 2 - 5	
					QC 2 - 71	
					QC 2 - 73	
					QC 2 - 69	
					QC 8 - 12	
					QC 8 - 14	
					QC 8 - 17	
					QC 8 - 20	
					QC 8 - 25	
					QC 8 - 3	
					QC 8 - 32	
					QC 8 - 33	
					QC 8 - 35	
					QC 8 - 39	
					QC 8 - 4	
					QC 8 - 44	
					QC 8 - 45	
					QC 8 - 49	
					QC 8 - 58	
					QC 8 - 8	B. 19-09-27
					QC 8 - 9	
					QC 8 - 68	
					QC 8 - 67	
					QC 8 - 1 (A)	
					QC 8 - 47	
					QC 8 - 40	
					QC 8 - 52	
					QC 8 - 23	
					QC 8 - 57	
150	Outsource - 12 - Black Oxide	2 pcs	10/7/19	0.00 0.00	GR0002	2019-10-01
160	Packaging 2-1 - Receive - B4B	2 pcs	10/7/19	0.00 0.00	Packaging 2 - 1 - B4B	OCT 11 2019
					Packaging 2 - 2 - B4B	
					Packaging 2 - 3 - B4B	
					Packaging 2 - 5 - B4B	
					Packaging 2 - 4 - B4B	
					Packaging 2 - 6 - B4B	
					Packaging 2 - 7 - B4B	
					Packaging 2 - 8 - B4B	
					Packaging 2 - 9 - B4B	
					Packaging 2 - 10 - B4B	
					Packaging 2 - 11 - B4B	
					Packaging 2 - 12 - B4B	
					Packaging 2 - 13 - B4B	
					Packaging 2 - 14 - B4B	
					Packaging 2 - 15 - B4B	
					Packaging 2 - 16 - B4B	
					Packaging 2 - 17 - B4B	
					Packaging 2 - 18 - B4B	
					Packaging 2 - 19 - B4B	
					Packaging 2 - 20 - B4B	
					Packaging 2 - 21 - B4B	
					Packaging 2 - 22 - B4B	
					Packaging 2 - 23 - B4B	
					Packaging 2 - 24 - B4B	
					Packaging 2 - 25 - B4B	
					Packaging 2 - 26 - B4B	
					Packaging 2 - 27 - B4B	
					Packaging 2 - 28 - B4B	

					Packaging 2 - 29 - B4B	
					Packaging 2 - 30 - B4B	
					Packaging 2 - 31 - B4B	
					Packaging 2 - 32 - B4B	
					Packaging 2 - 33 - B4B	
					Packaging 2 - 34 - B4B	
					Packaging 2 - 35 - B4B	
					Packaging 2 - 36 - B4B	
170 QC 6	2 pcs	10/7/19	0.00 0.00		QC 6 - 9	
					QC 6 - 68	DAS
					QC 6 - 61	61
					QC 6 - 40	9-89
					QC 6 - 81	
180 Packaging 3-1 - Stock - B4B	2 pcs	10/7/19	0.00 0.00		Packaging 3 - 1 - B4B	
					Packaging 3 - 2 - B4B	
					Packaging 3 - 3 - B4B	
					Packaging 3 - 4 - B4B	
					Packaging 3 - 5 - B4B	
					Packaging 3 - 6 - B4B	DAS
					Packaging 3 - 7 - B4B	28
					Packaging 3 - 8 - B4B	9-89
					Packaging 3 - 9 - B4B	
					Packaging 3 - 10 - B4B	
					Packaging 3 - 11 - B4B	
					Packaging 3 - 12 - B4B	
					Packaging 3 - 13 - B4B	
					Packaging 3 - 14 - B4B	
					Packaging 3 - 15 - B4B	
					Packaging 3 - 16 - B4B	
					Packaging 3 - 17 - B4B	
					Packaging 3 - 18 - B4B	
					Packaging 3 - 19 - B4B	
					Packaging 3 - 20 - B4B	
					Packaging 3 - 21 - B4B	
					Packaging 3 - 22 - B4B	
					Packaging 3 - 23 - B4B	
					Packaging 3 - 24 - B4B	
					Packaging 3 - 25 - B4B	
					Packaging 3 - 26 - B4B	
					Packaging 3 - 27 - B4B	
					Packaging 3 - 28 - B4B	
					Packaging 3 - 29 - B4B	
					Packaging 3 - 30 - B4B	
					Packaging 3 - 31 - B4B	
					Packaging 3 - 32 - B4B	
					Packaging 3 - 33 - B4B	
					Packaging 3 - 34 - B4B	
					Packaging 3 - 35 - B4B	
					Packaging 3 - 36 - B4B	
190 QC 21 - SA	2 pcs	10/7/19	0.00 0.00		QC 21 - SA - 21	
					QC 21 - SA - 70	OCT 1 6 2019
					QC 21 - SA - 53	9-89

Part Op 120 - Machine as per DWG Sheet 6

Descriptions: 130 - (QC2- Inspect parts off machine FAI/FAIB)

140 - (QC8- Inspect parts - second check)

150 - (Outside Processing - Black Oxide) -Issue P/O to Groupe Altech; PO 44641 -Black oxide finish, MIL-C-13924C

Class 1 -Certificate of Conformity is required

160 - (Receive & Inspect for Damage & Mat'l Certs)

170 - (QC6- All purchased or subcontracted products)

64170

180 - (Identify as per dwg & Stock Location: _____)

190 - (QC21- Final Inspection - Work Order Release)

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
MT-HRS-R-2.500	Hot Rolled Steel Round Bar 2.500	.0600 ft (.03 ea)	120-Conventional Lathe - 1	S046346

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
120-Conventional Lathe - 1	MT-HRS-R-2.500	0	8	0

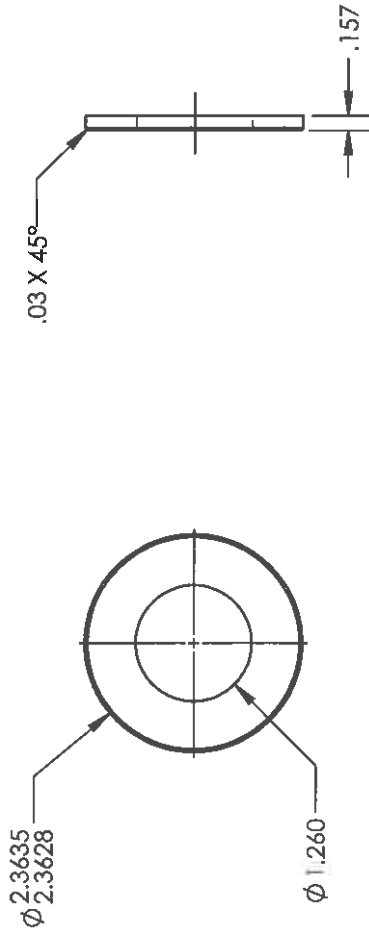
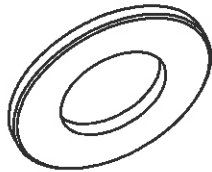
Part Specifications

Specifications could not be found.

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This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS			
REV	ECR	DESCRIPTION	DATE
4	16-0250	-5B CHD MATERIAL WAS 1018/1020 IS A36/1018/1020 HR. ADDED FINISH SPEC.	12/5/2016
			SM
			JAG



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SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 179142 MJS
19-0813



TITLE	TGB/SERVO ACTUATOR OIL SEAL FIT/EXTRACTION TOOL		
DWG NO.	RBW6522A00231-W142AJ-3T-5B	REV	5
MATERIAL A36/1018/1020 HR			
HEAT TREAT	UNLESS OTHERWISE SPECIFIED		
FINISH	DIMENSIONS ARE IN INCHES		
	XXX ± .005 FRACTIONS		
	XX ± .01 ANGLES 45°		
	X ± .1 SURFACES = 125		
SPEC	QMSI-6.2.2. B.O. REV D		
DRAWN BY:	PERRITT		
CHECKED:	CLOUGH		
OPPS APPR:	ANDERSON		
QA APPR:	LINDSAY		
APPROVED:	GILBERT		
SCALE	1:2	DATE	10/5/2010
			AW139
			SHEET 6 OF 10

(5B)

COVER

Entered: _____ Date: _____

WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No. _____

Route update only ☐



Job: _____ Part No. _____		DISPOSITION Rework ☐ ☐ Scrap ☐ ☐ Use-as-is ☐ ☐		DEPARTMENT/PROCESS Skid-tube ☐ ☐ ☐ ☐ ☐ Machining ☐ ☐ ☐ ☐ ☐ Large Fab ☐ ☐ ☐ ☐ ☐ Cross tube ☐ ☐ ☐ ☐ ☐ Small Fab ☐ ☐ ☐ ☐ ☐ Finishing ☐ ☐ ☐ ☐ ☐ Eng. (Non-AW) ☐ ☐ ☐ ☐ ☐ Prod. Eng. Coord. ☐ ☐ ☐ ☐ ☐ Rec/Store/Packaging ☐ ☐ ☐ ☐ ☐ Engineering ☐ ☐ ☐ ☐ ☐ Water Jet ☐ ☐ ☐ ☐ ☐ Supplier ☐ ☐ ☐ ☐ ☐ Quality ☐ ☐ ☐ ☐ ☐																													
Date : _____		Sequence #: _____		QTY Affected : _____																													
Description Work Order Deviation		Disposition		MRB (QS1042)																													
Root Cause Operator ☐ ☐ ☐ Manufacturing Process ☐ ☐ ☐ Equip/Tooling ☐ ☐ ☐ Handling/Preservation ☐ ☐ ☐ Material ☐ ☐ ☐ Product Improvement ☐ ☐ ☐ Process Improvement ☐ ☐ ☐ Human Factors ☐ ☐ ☐		FAULT CATEGORY <table border="1"> <tr> <td>Pressure/Forced</td> <td>Contamination</td> <td>Power Loss/Surge</td> <td>Positioned Wrong</td> </tr> <tr> <td>Bending</td> <td>Misaligned/off center</td> <td>Folio/Program</td> <td>Outside Tolerance</td> </tr> <tr> <td>Crushing</td> <td>BOM/Route</td> <td>Grain Direction</td> <td>Drawing</td> </tr> <tr> <td>Cracks</td> <td>Broken/Damage/Defect</td> <td>Weld</td> <td>Finish</td> </tr> <tr> <td>Crimp/Kink/Ripple/Wave/Twist</td> <td>Incomplete/Unclear Instructions</td> <td>Wrong Stock Pulled</td> <td>Part Lost/Missing</td> </tr> <tr> <td>Marks/Chatter</td> <td>Drill Holes</td> <td>Out of Sequence</td> <td>Misread</td> </tr> <tr> <td>Mislabeled</td> <td>Fit/Function</td> <td>Off-set/Set-up</td> <td></td> </tr> </table>				Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong	Bending	Misaligned/off center	Folio/Program	Outside Tolerance	Crushing	BOM/Route	Grain Direction	Drawing	Cracks	Broken/Damage/Defect	Weld	Finish	Crimp/Kink/Ripple/Wave/Twist	Incomplete/Unclear Instructions	Wrong Stock Pulled	Part Lost/Missing	Marks/Chatter	Drill Holes	Out of Sequence	Misread	Mislabeled	Fit/Function	Off-set/Set-up	
Pressure/Forced	Contamination	Power Loss/Surge	Positioned Wrong																														
Bending	Misaligned/off center	Folio/Program	Outside Tolerance																														
Crushing	BOM/Route	Grain Direction	Drawing																														
Cracks	Broken/Damage/Defect	Weld	Finish																														
Crimp/Kink/Ripple/Wave/Twist	Incomplete/Unclear Instructions	Wrong Stock Pulled	Part Lost/Missing																														
Marks/Chatter	Drill Holes	Out of Sequence	Misread																														
Mislabeled	Fit/Function	Off-set/Set-up																															
Other/Details:																																	
Completed By		Lead hand / Supervisor																															
		QC / QA Coordinator																															



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

POHB044641



Supplier: GRO002-VC
Group Altech
2455 Halpern
St Laurent
QC
H4S 1N9 Canada
Phone: 514-335-3666
Fax: 514-335-3868

Attention: Grenon, Sylvie

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

PO No: POHB044641

PO Date: 10/1/19

Due Date: 10/9/19

**Purchase Order
Revision:**

Revision Date:

Ship-To Contact: Guerin, Kimberley
Phone: 613-632-5200 Ext: 298
kguerin@dartaero.com

Via: Ground

Pymt Terms: Net 60

Freight Terms:

Special Comments:

E-MAILED
2019-10-02

Items

Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
1	198410	RB 92700-10310-041-3	Plate -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed X4	-	10/9/19	4 pcs	0 pcs	4 pcs	\$5.85/pcs	\$23.40
2	200723	RBW5605G00251-3G-1	Hook -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; O1 -Certificate of Conformity is required	Firmed X9	-	10/9/19	9 pcs	0 pcs	9 pcs	\$1.34/pcs	\$12.06

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Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
3	199259	RBST4241-9	Pin -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; -Certificate of Conformity is required	Firmed X4	-	10/9/19	4 pcs	0 pcs	4 pcs	\$1.34/pcs	\$5.36
4	199142	RBW6522A00231-W142AJ-3T-5B	Cover (Outside Processing - Black Oxide) -Issue P/O to Groupe Altech; PO -Black oxide finish, MIL-C-13924C Class 1 -Certificate of Conformity is required	Firmed X2	-	10/9/19	2 pcs	0 pcs	2 pcs	\$1.34/pcs	\$2.68
5	199046	RBW6510G05731-6F-1	Base Plate -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed X6	-	10/9/19	6 pcs	0 pcs	6 pcs	\$7.85/pcs	\$47.10

OCT 11 2019

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Items											
Line Item	Job	Part	Description	Status	Account	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (CAD)	Extended Price
6	199048	RBW6510G05731-6F-3	Reaction Mount -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed - X16		10/9/19	6 pcs	0 pcs	6 pcs	\$3.28/pcs	\$19.68
											OCT 11 2019
7	199039	RBW6510G04631-6F-8	Bracket Pin -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed - X15		10/9/19	15 pcs	0 pcs	15 pcs	\$1.40/pcs	\$21.00
											OCT 04 2019
8	200724	RBW5605G00251-3G-2	Shank -Issue P/O; -Black oxide finish, MIL-C-13924C Class 1 -Apply thin layer of oil/CPC per MIL-PRF-16173 Grade 3 Class 1 or MIL-c-81309 Type III Or MILL-C23411A or MIL-PRF-81309 and wipe off excess. -Material type; 4140 -Certificate of Conformity is required	Firmed - X9		10/9/19	9 pcs	0 pcs	9 pcs	\$1.53/pcs	\$13.77
											OCT 04 2019
Grand Total:											\$145.05

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PURCHASE ORDER

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Order Notes

Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)

A022 Apical Processing
A024 process certifications
A026 certification of material conformance

A041 quality management system
A042 dart notification by supplier
A043 retention of quality documents

A048 counterfeit parts avoidance, detection, mitigation and disposition program

A049 supplier awareness

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

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Certificat de Conformité / Certificate of Compliance

(022883-3)

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 Tel: 514-335-3666 Fax: 514-335-3868
 www.groupealtech.com

Bon de Livraison / Packing Slip

022883 - 3

Livré à / Ship to

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 Tel.: 613-632-5200 Fax.:

Client / Customer:

DART AEROSPACE LTD
 1270 ABERDEEN STREET
 HAWKESBURY, ON, K6A1K7
 CANADA
 BUYER:

Date expédition Ship date		Créé Par Generated By	Transport / No de Compte Courier / Acc. No.	Bon de commande Client Customer Purchase Order No.				
10-Oct-2019		Jigar Patel		POHB044641				
#Ligne Line#	No. de Série / # Pièce Part Number / Line Item Details Job # / Ref #	Description pièce(s)	CATG. U/M	Comm. /Ordered	Exp/ Shipped	Qté NC/ NC Qty	Qté Scrap	A venir/ Back Order
3	RBST4241-9 Rev.	RBST4241-9 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MIL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	4	4	0	0	0
4	RBW6522A00231-W142AJ-3T-5B Rev.	RBW6522A00231-W142AJ-3T-5B OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MIL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	2	2	0	0	0
5	RBW6510G05731-6F-1 Rev.	RBW6510G05731-6F-1 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MIL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	6	6	0	0	0
6	RBW6510G05731-6F-3 Rev.	RBW6510G05731-6F-3 OXIDE-BLK & OIL [OXIDE BLACK AND OIL] MIL-C-13924C CLASS 1 APPLY THIN LAYER OF OIL/CPC PER MIL-PRF-16173 GRADE 3 CLASS 1 OR MIL -C-81309 TYPE 3 OR MIL-C23411A OR MIL-PRF-81309 AND WIPE OFF EXCESS	OXIDE-BLACK CH	6	6	0	0	0

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OCT 10 2019

DART AEROSPACE LTD.

Notes Additionnelles / Additional Notes

Epaisseur réelle
Actual Thickness

Inspecteur Qualité
Quality Inspector

Réçu par
Received By

Nous certifions que les pièces énumérées ci-dessus ont été traitées en conformité avec votre commande et vos spécifications et rencontrent les exigences.
 Notre responsabilité financière et légale ne sera pas supérieure au montant de la facture issue.

We hereby certify that the parts listed above have been process in accordance with your purchase order and specifications and are in conformance with your requirements.
 Our financial and legal responsibility will not be higher than the amount of invoice.